

"FLEXIBLE MOULD FOR CONFECTIONERY, BREAD-MAKING AND
SIMILAR, WITH SUPPORT AND STIFFENING ELEMENT OF THE
OUTER EDGE"

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Description

This invention relates to a flexible mould made of silicone for
confectionery, bread-making or similar, particularly suited to the use both
in traditional ovens and microwave ovens, consisting of a tray provided,
on the upper side, with an edge which extends outwardly, wherein this
10 edge is equipped with a support and stiffening element, preferably
consisting of a metallic wire dipped in the silicone or of plastic or metallic
frame partially co-stamped at sight, or manually inserted into a
corresponding seat provided in the edge.

This feature considerably improves the handling of the tray, especially
15 when it contains very liquid products, keeping unchanged those flexibility
features that make easier to take fragile contents out of the oven and to
deform and flatten it in order to store it into a reduced space.

As it is known, the moulds for confectionery and bread-making are always
made of rigid material, such as for example metal like aluminium, or
20 refractory materials such as ceramic or vitreous material, the latter used in
particular in microwave ovens.

The rigid moulds present several disadvantages, from the difficulty to take
the product out of the mould without breaking it, to unsuitable dimensions
when the trays must be stored.

25 These disadvantages can be overcome by means of flexible trays made

of fabric of proper fibres coated by a synthetic material such as silicone.

But also these trays present several disadvantages due to the difficulty to duly shape an unstretchable material such as the fabric, to obtain a tray with the required deepness.

- 5 With the mould of this invention is easier to take the product out of the mould, thanks to the elasticity and the flexibility of the material and it is likewise possible to store the moulds into a reduced space, thanks to the deformability of said moulds.

10 These known moulds include a duly shaped tray, provided, on the upper side, with an edge, always of silicone, which can extend outwards.

This edge allows to easily grip the tray and take out the product.

The silicone moulds represent an innovative product which can be perfected.

- 15 It was noted that the considerable flexibility and elasticity of the material creates some difficulties when there is the need to handle the moulds containing a product, especially if such product is very liquid.

Under the effect of the weight of the product the mould very flexible, tends to deform and if it is lifted by the edge, as usual, there is the risk to split part of the product.

- 20 To remove such disadvantage this invention proposes a silicone mould characterised by the fact to provide, near the edge, a support and stiffening element able to give the mould the resistance required to carry the weight of the product without being deformed, keeping the flexibility features which allow to guarantee other advantages listed above.

- 25 The mould according to the invention is characterised by the particular

embodiment which improves the handling of the product, increasing its usefulness and practicalness of use.

This invention will be described in details, by way of example without any limitation thereto, with reference to the attached figures, in which:

- 5 • figure 1 represents the section of a mould according to the invention;
- figure 2 is the perspective view of the mould of figure 1;
- figures 3 and 4 are perspective views, in section, of further forms of execution of said idea of solution.

With reference to the attached figures, 1 indicates, in its whole, a mould
10 according to the invention, essentially consisting of a tray 2 in which the product to be cooked or heated is inserted and that is provided, on the upper side, with an edge 3 essentially consisting of a wing projecting outwards.

Both the tray 2 and the wing 3 are completely made of silicone.

15 The silicone is a material able to resist to the temperatures of the oven and turned out to be suitable to this aim thanks to its resistance and flexibility features.

Peculiarity of the invention is to provide, near the perimetral area of the edge or wing 3, a support indicated with 4, essentially consisting of a
20 metallic element 5, preferably a metallic wire such as steel the like, dipped into a silicone coating 6.

The fact of providing the metallic wire dipped into the silicone, allows to use the mould even in a microwave oven.

The stiffening wire will have such dimensions as to allow the mould not to
25 bend under the strain of the content, but such as to allow in any case a